TEI INC.

5075 S. Loop East
Houston, Texas 77033
713-738-2300/TWX. 910-881-3639

STANDARD-FLOPPY DISK DRIVE CHASSIS
(800 SERIES)
TEI INC.

P/N 13686-10

MCS-DFD 0

MCS-RFD 0

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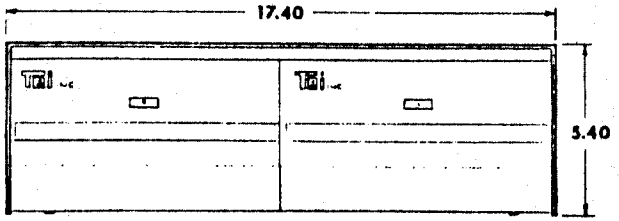
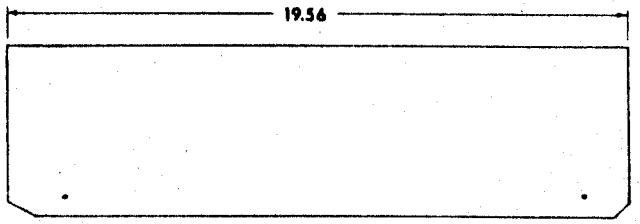
REVISIONS					
ZONE	LTR	EO NO.	DESCRIPTION	TE	APPROVED





QTY	PART NUMBER	DESCRIPTION	MANUFACTURER	CODE IDENT	REF DES	ITEM
		PARTS LIST				

NEXT ASSY	USED ON
APPLICATION	

DIMENSIONAL TOLERANCE
UNLESS NOTED OTHERWISE
.X ± .06
.XX ± .02
.XXX ± .010
ANGULAR ± .5 DEG

SURFACE FINISH IN MICROINCHES
RMS UNLESS NOTED
OTHERWISE ✓

MATERIAL

CONTRACT NO.

SIGNATURES	DATE
DR TMB	3-13-76
DES	
CHK	
ENGR	
APP	
APP	

TEXAS ELECTRONIC INSTRUMENTS, INC
HOUSTON, TEXAS

MCS-DFD

SIZE	CODE IDENT NO.	DWG NO.	REV
C	33179	13641	

SCALE 1:3 | REL EO NO. | SHT OF

NOTES:

3 2 1

INTRODUCTION:

THE TEI, INC. MCS - DFD (DUAL FLOPPY DISK) IS A PAIR OF SHUGART SA-800 DRIVES WITH SINGLE HEADS, OR SA-850 DRIVES WITH DUAL HEADS. THESE DRIVES MAY BE EITHER SINGLE OR DUAL DENSITY. THE DRIVES ARE ALL SOFT SECTORED, IBM COMPATIBLE, AND WILL HOLD THE FOLLOWING VOLUMES OF DATA:

TEI, INC. MODEL			MEMORY CAPACITY
MCS-DFD 80	S	(SINGLE HEAD, SINGLE DENSITY)	512 BYTES
MCS-DFD 80	D	(SINGLE HEAD, DUAL DENSITY)	1 MEGABYTES
MCS-DFD 85	S	(DUAL HEADS, SINGLE DENSITY)	1 MEGABYTES
MCS-DFD 85	D	(DUAL HEADS, DUAL DENSITY)	2 MEGABYTES

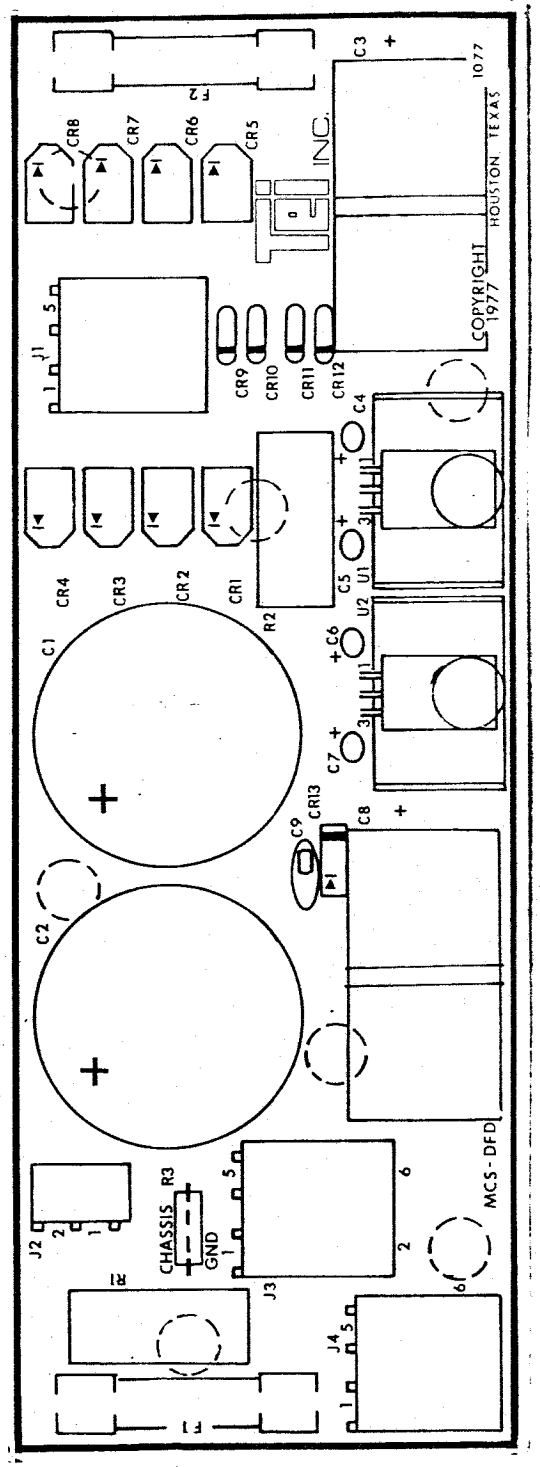
ALL THE TEI, INC. FLOPPY DISK DRIVES ARE BUILT WITH RUGGED INDUSTRIAL QUALITY CHASSIS AND ARE POWERED BY A HIGH QUALITY CVT (CONSTANT VOLTAGE TRANSFORMER) TO PROTECT YOUR SYSTEM FROM POWER FLUCTUATIONS.

NOTE: THE MCS-RFD 80/85 IS THE SAME AS THE MCS-DFD 80/85 EXCEPT THAT IT IS CONTAINED IN A RUGGEDIZED 7" x 19" RACK PANEL WITH CHASSIS SLIDES AND BRACKETS FOR MOUNTING IN PANEL RACKS UP TO 28" DEEP.

PARTS LIST

MCS-DFD 80

REF DES	DESCRIPTION	TEI P/N
	CHASSIS MOUNTED PARTS	
BL1	FAN	2610-010
C1	CAP 3MF, 660VAC	1543-006
D1,D2	Disk Drives, 800	13331
F1	FUSE 5A 250V	5173-022
J1,J3, J4	Socket Housing, 6CKT	2122-010
J2	Socket Housing, 2CKT	2122-021
Drive Conn	Socket Housing, 4CKT	2122-009
Drive Conn	Socket Housing, 3CKT	2122-026
L1	Choke	11010
PCD1	Power Supply	13170
SW1	Power Switch	5113-001
T1	Transformer	13239
TB1	Barrier Strip, 4 POS	2171-025
	Boot, Rubber AC Cap	1592-003
	Fan Filter	13146
	Feet, Rubber	1419-001
	Power Cord	6080-008
	Ribbon Cable	13425
	PCB1 POWER SUPPLY	
C1,C2	Cap 5500MF, 50V	1521-089
C3,C8	Cap 4700MF, 16V	1527-074
C4 Thru C7	Cap 10MF, 20V	1580-001
CR1 Thru CR8	Diode 3 AMP	4825-043
CR9 Thru CR12	Diode IN4004	4820-005
CR13	Diode IN5338B	4840-041
F1	Fuse 5A 32V	5173-021
F2	Fuse 4A 250V	5173-020
J1,J3, J4	Pin Header, 6CKT	2122-004
J2	Pin Header, 2CKT	2122-020
PCB1	PCB FAB	13171
R1	Resistor 400 Ω 5W 10%	4755-299
R2	Resistor 3 Ω 5W 10%	4755-095
CHASSIS GND	Resistor 1 K 1/4 W 2%	4741-337
U1,U2	Regulator 7805	3120-003
	Heat Sink	4890-002



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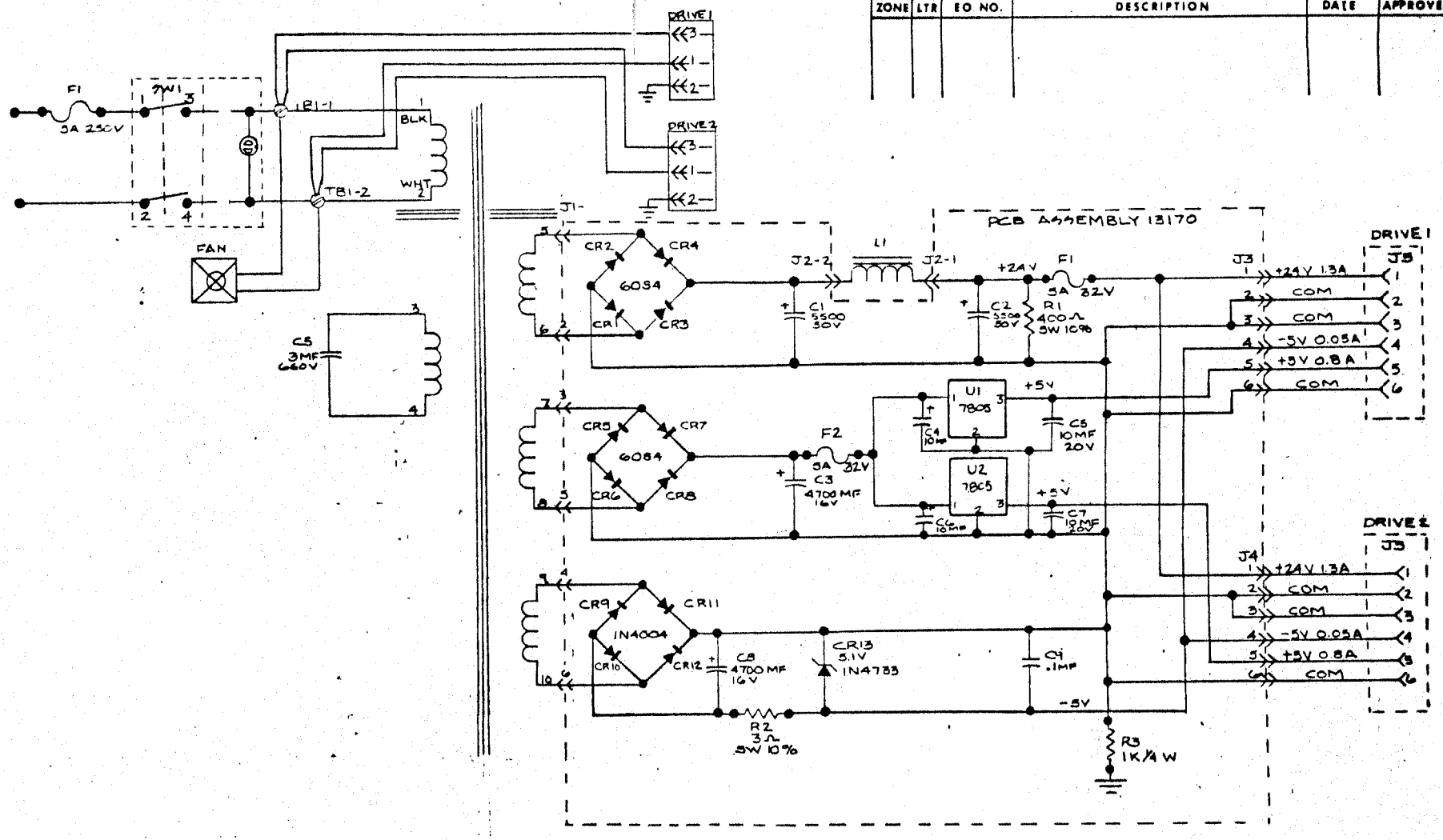

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SURFACE FINISH IN MICROINCHES RMS UNLESS NOTED OTHERWISE ✓

MATERIAL

CONTRACT NO.

SIGNATURES	DATE
DR O'Mahoney	6-7-77
DES	
CHK	
ENGR	
APP	
APP	

TEXAS ELECTRONIC INSTRUMENTS, INC
HOUSTON, TEXAS

DUAL FLOPPY DISC
SCHEMATIC

SIZE	CODE IDENT NO.	DWG NO.	REV
C	33179	13278	

SCALE | REL EO NO | SHEET OF

NOTES: